ABSTRACT OF THE DISCLOSURE

A mobile station attempts to access wireless data services such as WAP applications via a data call, by first transmitting a session request to a wireless network, where the session request identifies an initial data bearer that should be used to establish the session. Upon receiving notification that the network is unable to establish the data session using the initial data bearer, the mobile station accesses a bearer table stored in its memory, selects an alternate data bearer which may be the next best data bearer, and automatically reattempts the data call without user intervention. The process repeats until the session is successfully established using one of the data bearers in the bearer table, or until the occurrence of a terminating event, such as cancellation of the data call by the user of the mobile station, or expiration of a predetermined time limit.